

LAMINATE TYPE DIELECTRIC DEVICE, A PRODUCTION METHOD
AND AN ELECTRODE PASTE MATERIAL

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ABSTRACT OF THE DISCLOSURE

10 This invention relates to a laminate type dielectric
device capable of sufficiently bonding an electrode
material such as Cu to a ceramic material by using an
economical base metal material such as Cu, and fully
exploiting the characteristics of a dielectric ceramic
layer, a production method thereof, and an electrode
15 paste material.

In a laminate type dielectric device 1 formed by
alternately laminating dielectric ceramic layers 11 and
electrode layers 2 and integrally baking the laminate
product, the electrode layer 2 is mainly made of an
20 electrically conductive base metal material having
greater standard Gibbs free energy for the formation of a
metal oxide at a baking temperature than that of the
ceramic material constituting the dielectric ceramic
layer 11. Segregation of the materials inclusive of the
25 electrically conductive base metal material does not
occur at portions sandwiched between adjacent positive
and negative electrode layers among the dielectric
ceramic layer 11.